

भारत का राजपत्र

The Gazette of India

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PUBLISHED BY AUTHORITY

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No. 46] NEW DELHI, SATURDAY, NOVEMBER 11, 1989 (KARTIK 20, 1911)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separat compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 11th November 1989

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The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

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New Delhi-110 005

Telegraphic address "PATENTOFIC".

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1-327 GI/89

Patent Office Branch,
61, Wallajah Road,
Madras-600 002

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020

Telegraphic address "PATENTS".

Rest of India.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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पेटेंट कार्यालय

एकसूच तथा अभिकल्प

कलकत्ता, दिनांक 11 नवम्बर, 1989

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रवर्धित हैं :—

पेटेंट कार्यालय शाखा, टोर्डी इस्टेट

तीसरा तल, लोअर परले (पश्चिम),

बम्बई-400 013

तार पता—“पेटेंटोफिस” ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र

एवं संघ शासित क्षेत्र गोवा, दमन तथा दीव

एवं दादरा और नगर हवेली ।

पेटेंट कार्यालय शाखा,

एकक सं. 401 से 405, तीसरा तल,

नगरपालिका बाजार भवन,

सरस्वती मार्ग, करोल बाग,

नई दिल्ली-110 005

तार पता—“पेटेंटोफिस” ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,

पंजाब, राजस्थान तथा उत्तर प्रदेश

राज्य क्षेत्रों एवं संघ शासित क्षेत्र

चंडीगढ़ तथा दिल्ली ।

पेटेंट कार्यालय शाखा,

61, बालासाहू, रोड,

मद्रास-600 002

तार पता—“पेटेंटोफिस” ।

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र

एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,

मिनिक्काय तथा अमिनदीवि द्वीप ।

पेटेंट कार्यालय (प्रधान कार्यालय),

निजाम पैलेस, द्वितीय बहुतलीय कार्यालय भवन,

5, 6 तथा 7वां तल,

234/4, आचार्य जगदीश बोस रोड,

कलकत्ता-700 020

तार पता—“पेटेंट्स” ।

भारत का अवशेष क्षेत्र ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अर्पित सभी आवेदनपत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे ।

शुल्क :—शुल्कों की अवधि या तो नकद की जायेगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनप्रवेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part-III, Section 2 dated 23rd September 1989, under the heading “PATENTS SEALED” delete the number 164177.

REGISTRATION OF PATENT AGENT

The following person has been registered as Patent APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under section 135, of the Patents Act, 1970.

The 29th September, 1989

797/Cal/89. Lanxide Technology Company, Lp. A method of forming metal matrix composites by use of an immersion casting technique and products produced thereby.

798/Cal/89. Lanxide Technology Company, Lp. A method of surface bonding materials together by use of a metal matrix composite, and products produced thereby.

799/Cal/89. Lanxide Technology Company, Lp. An inverse shape replication method for forming metal matrix composite bodies and products produced therefrom.

800/Cal/89. Lanxide Technology Company, Lp. A method for forming metal matrix composite bodies containing three-dimensionally interconnected co-matrices and products produced thereby.

801/Cal/89. Lanxide Technology Company, Lp. Methods for forming macrocomposite bodies and macro-composite bodies produced thereby.

802/Cal/89. Lanxide Technology Company, Lp. A method for forming metal matrix composites having variable filler loadings and products produced thereby.

803/Cal/89. Lanxide Technology Company, Lp. A method of thermo-forming a novel metal matrix composite body and products produced therefrom.

804/Cal/89. Lanxide Technology Company, Lp. A method for making metal matrix composites by the use of a negative alloy mold and products produced thereby.

805/Cal/89. Lanxide Technology Company, Lp. A method for forming metal matrix composite bodies with a dispersion casting technique and products produced thereby.

806/Cal/89. Lanxide Technology Company, Lp. A flotation process for the formation of metal matrix composite bodies.

807/Cal/89. Lanxide Technology Company, Lp. A method for forming a metal matrix composite body by an outside-in spontaneous infiltration process, and products produced thereby.

808/Cal/89. Lanxide Technology Company, Lp. A method of forming a metal matrix composite body by a spontaneous infiltration technique.

809/Cal/89. Lanxide Technology Company, Lp. An investment casting technique for the formation of metal matrix composite bodies and products produced thereby.

810/Cal/89. Lanxide Technology Company, Lp. A method of modifying the properties of a metal matrix composite body.

811/Cal/89. Lanxide Technology Company, Lp. A method of forming metal matrix composite bodies by utilizing a crushed polycrystalline oxidation reaction product as a filler, and products produced thereby.

812/Cal/89. Lanxide Technology Company, Lp. Directional solidification of metal matrix composites.

813/Cal/89. Lanxide Technology Company, Lp. A method of providing a gating means, and products produced thereby.

814/Cal/89. Martha-Catharina Heiliger, Hydraulic mining steel prop.

815/Cal/89. Backwave Limited. A rider-propelled wheeled vehicle. (Convention dated 29th September, 1988 and 17th June, 1989) (Both are Great Britain).

The 3rd October, 1989

816/Cal/89. Australian Commercial Research and Development Ltd. Compounds and methods for treatment and diagnosis of cancer. Convention dated 30-09-1988; 03-10-1988; 17-03-1989; 28-06-1989; 20-07-1989) (Both are Australia).

817/Cal/89. Business Forms Ltd. Process for preparation of a colour developer for the colour transfer system used in carbonless copy paper.

[Divisional dated 25th May, 1987].

818/Cal/89. Business Forms Ltd. A colour developer sheet for use in carbonless copy paper.

[Divisional dated 25th May, 1987].

819/Cal/89. Business Forms Ltd. Carbonless copy paper colour transfer system.

[Divisional dated 25th May, 1987].

820/Cal/89. Business Forms Ltd. Process for preparation of colour former microcapsules for use in the carbonless copy paper.

[Divisional dated 25th May, 1987].

821/Cal/89. Gour Gopal Kundu. Dial computer.

822/Cal/89. Petainer S.A. A method of shaping an open mouth of a substantially tubular preform.

[Divisional dated 3rd April, 1986].

823/Cal/89. Ralph Weber. Process for the production of steel from fine ore.

824/Cal/89. Kortec Ag. Charging arrangement for shaft furnaces, in particular blast furnaces.

825/Cal/89. Tatsuo Ono. Process for connection of supports and supports system.

826/Cal/89. Tritzschler GmbH & Co. A device in a carding machine with moving card top made of cover bars provided with garniture.

The 5th October, 1989

827/Cal/89. Nitro Nobel Ab. Initiating element for non-primary explosive detonators.

828/Cal/89. Kooperativ Dish-Ussr. Coding assembly for locklike devices.

829/Cal/89. Krupp Widia GmbH. Clamping device for connecting a tool head to a tool holder of a machine tool.

830/Cal/89. Mcconway & Torley Corporation. Slackless drawbar.

APPLICATION FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, MUNICIPAL MARKET
BUILDING, 3RD FLOOR, KAROL BAGH,
NEW DELHI-110005

The 4th September, 1989

782/Del/89. L'Air Liquide, Societe Anonyme Pour L'Etude ET L'Exploitation Des Procedes Georges Claude, "Process and equipment for the recovery of the heavier hydrocarbons from a gaseous mixture".

783/Del/89. L'Air Liquide, Societe Anonyme Pour L'Etude Et L'Exploitation Des Procedes Georges Claude, "Process and equipment for separating a component of intermediate permeability from a gaseous mixture".

The 5th September, 1989

784/Del/89. Kawasaki Jukogyo Kabushiki Kaisha, "Method and machine for continuously producing rayon filaments".

785/Del/89. The Lubrizol Corporation, "Lubricant and functional fluid compositions exhibiting improved demulsibility".

786/Del/89. Gec Alsthom Ltd, "Equipment for and method of locating the position of a fault on a power transmission line". (Convention date 9th September, 1988) (U.K.).

787/Del/89. The Lubrizol Corporation, "Compositions containing active sulfur".

The 6th September, 1989

788/Del/89. Intel Gasgards Private Ltd, "Improvements in and relating to apparatus for reducing the pressure and/or flow of a fluid".

789/Del/89. The B.F. Goodrich Co, "Flame and smoke retardant cable insulation and jacketing compositions".

790/Del/89. Motorola Inc, "Satellite cellular telephone and data communication system".

791/Del/89. Atlas Powder Co., "Composite explosive utilizing water-soluble fuels".

792/Del/89. Hughes Aircraft Co. "Method for forming a gas permeable and ion-permeable membrane".

793/Del/89. Solvay & Cie. "Catalytic compositions process for obtaining them and process for hydrogenation chlorohydroalkenes by means of these compositions".

794/Del/89. Bonas Griffith Ltd., "Weaving loom". Convention date 7th September, 1988) (U.K.).

The 7th September, 1989

795/Del/89. Council of Scientific & Industrial Research, "A direct reading device for measuring resistivity of particulate coke or allied carbonaceous materials".

796/Del/89. Council of Scientific & Industrial Research, "Process of preparing a low molecular weight cellulose free xylanase from an alkalophilic thermophilic bacillus species".

797/Del/89. Council of Scientific and Industrial Research, "An electronic capacitive ballast for fluorescent and other discharge lamps".

798/Del/89. Colgate Palmolive Co., "A non-aqueous heavy duty, built laundry detergent composition".
[Divisional date 11-2-1987].

799/Del/89. L'Air Liquide, Societe Anonyme Pour L'Etude Et L. Exploitation Des Procedes Georges Claude, "Process and equipment for the simultaneous production of hydrogen and carbon monoxide".

800/Del/89. Exxon Chemical Patents, Inc., "A process for polymerizing ethylene or copolymerising ethylene with a comonomer".
[Divisional date 5th November, 1986].

The 7th September, 1989

801/Del/89. Exxon Chemical Patents, Inc., "A process for the preparation of a catalyst system".
[Divisional date 5th November, 1986].

802/Del/89. The Lubrizol Corporation, "A fuel additive concentrate". [Divisional date 21st October, 1986].

803/Del/89. Stephen Barric Means, "Improvements in mobile pay telephone system". (Convention date 9th September, 1988) (Australia).

The 8th September, 1989

804/Del/89. Daya Ranjit Senanayaka, "Hollow jewellery objects and method". (Convention date 9th September, 1988) (Srilanka).

805/Del/89. The Secretary, Department of Science & Technology, "A brake caliper assembly".

806/Del/89. The Secretary, Department of Science and Technology, "A bottom bracket assembly".

807/Del/89. The Gillette Co., "Method and apparatus for forming or modifying cutting edges". (Convention date 19th September, 1988) (U.K.).

808/Del/89. The Lubrizol Corporation, "A process for preparing a diesel fuel composition".
[Divisional date 21st October, 1986].

809/Del/89. Bharat Heavy Electricals Ltd., "Fired waste heat recovery boiler system".

APPLICATION FOR PATENTS FILED IN THE
PATENT OFFICE BRANCH AT TODI ESTATES, 3RD
FLOOR, SUNMILL COMPOUND, LOWER PAREL (W),
BOMBAY-13

The 28th August, 1989

240/Bom/89. Camphor & Allied Products, Ltd. A process for the preparation of 4, 15-epoxylongifolane.

241/Bom/89. Camphor & Allied Products, Ltd. A process for the preparation of isolong ifolol.

242/Bom/89. Dr. Suruj Prakash Sharma & Dr. Paramjit Kaur. SP indirect-direct binocular ophthalmoscope.

243/Bom/89. Hindustan Lever Ltd. Detergent composition. 31st August 1988, Great Britain.

The 31st August 1989

244/Bom/89. R. Balasubramanian & B. Bhaskar Folding bicycle.

The 5th September 1989

245/Bom/89. Krishnakumar Rameshwar Trivedi. An improved clutch actuating device combination of hand lever & footbrake (paddle lever) actuated clutch system in the two wheeler manually clutch operated motor vehicles & the vehicles comprising the same

246/Bom/89. Esbec Industrial Combines, whose partners are : (1) Mrs. Hemlata Sohan Chordiya (2) Mrs. Savita Shantilal Chordiya, (3) Mrs. Abha

Suresh Chordiya. (4) Esbec Industrial Combines P. Ltd. An improved switch.

The 7th September 1989

247/Bom/89. Gujarat State Fertilizers Co. Ltd. Process for the fermentative production of poly-beta hydroxybutyrate by *Bacillus thuringiensis*.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Patent Office, Calcutta, and its branches at Bombay, Madras and New Delhi at two rupees per copy—

(1)

142379 142380.

(2)

142513.

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142577.

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142621 142644.

(5)

142878 142879.

(6)

142961	142962	142963	142964	142967	142968	142969
142970	142971	142973	142974	142976	142978	142979
142980	142981	142982	142983	142984	142985	142986
142987	142990	142992	142995	142996	142998	142999
143001	143002	143003	143004	143005	143006	

(7)

143007	143008	143010	143011	143012	143013	143015
143017	143025	143028	143030	143031	143032	143037
143038	143040	143041	143044	143045	143046	143047
143049	143050	143051	143062	143063	143064	143065
143078						

(8)

143079	143080	143082	143085	143086	143089	143090
143091	143093	143095	143096	143097	143098	143099
143100	143101	143102	143103	143104	143105	143106
143107	143108	143109	143113			

(9)

143575 143597.

PATENT SEALED

162973	163479	163638	163794	163872	164031	164052
164068	164092	164100	164116	164184	164400	164402
164403	164404	164406	164407	164408	164409	164410

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DEL — 1.

RENEWAL FEES PAID

143767	144968	145295	145316	145417	145966	146141
146413	146560	146912	147448	147939	148204	148934
149107	149110	149603	149666	149771	150435	150833
150928	151608	151852	151917	151935	152857	152858
153004	153023	153048	153049	153086	153945	153988
153989	154215	154229	154335	154410	154471	154902
155085	155204	155242	155320	155622	156180	156242
156338	156339	156363	156453	156729	156847	156870
157000	157007	157011	157079	157168	157244	157264
157555	157696	157998	158205	158249	158309	158390

158437	158511	158516	158528	158577	158893	158916
158991	159029	159049	159167	159286	159300	159306
159344	159345	159346	159405	159406	159407	159408
159410	159411	159420	159425	159446	159453	159472
159506	159588	159726	159830	159867	160029	160040
160141	160174	160442	160662	160699	160701	160829
161235	161393	161417	161622	161664	161674	161692
161703	161723	161744	161928	161993	162203	162465
163070	163240	163242	163290	163392	163471	163474
163476	163484	163521	163559	163579	163620	163661
163662	163690	163722	163723	16372	163727	163728
163730	163743	163800	163806	163892	164079	164091
164164	164212	164213				

CESSATION OF PATENTS

146061	152856	154549	155211	156876	157425	158140
159484	160544	160555	160647	162415	162721	162722
163032						

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of Patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अभिगम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एकत्र का ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तराष्ट्रीय वर्गीकरण के अनुरूप है।"

नीचे सूची गत विनिर्देशों की सीमित संख्या में मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8, किरण संकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांगपत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों; के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार [(उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है)] फोटो लिप्यान्तरण प्रभार का परिचालन किया जा सकता है।

Int. CLASS: E 01 B 9/10

165541

A SPIRAL MEMBER FOR INCREASING THE RESISTANCE TO PULL-OUT OF A SCREW.

Applicant: MULTICLIP CO. LTD., A COMPANY REGISTERED UNDER THE LAWS OF ENGLAND, OF UNIT 2, HAXTER CLOSE, BELLIVER INDUSTRIAL ESTATE, ROBOROUGH, PLYMOUTH PL6 7DD, ENGLAND.

Inventors: HUGH RICHARD HENRY, REGINALD FREDERICK MORTON.

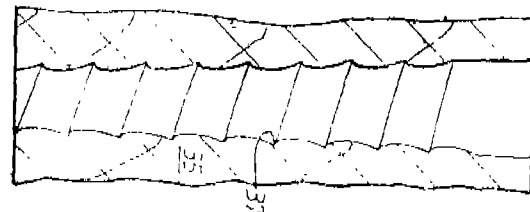
Application No. 490/Mas/85 filed June 28, 1985.

Convention date June 29, 1984; (No. 8416569; Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A spiral member for increasing the resistance to pull-out of a screw (20) made of hard material received in a hole in a body of screw-receiving material (35) which is of softer material than the screw, the spiral member (140) being cylindrical or being tapered towards one end and being turned inwardly at one end or at its narrow end when it is tapered to afford a drive pin (180) adapted to be engaged by an insertion tool (50) insertable down the inside of the spiral member so that the spiral member can be screwed into the hole from its bottom end, the spiral member (140) is made of material whose hardness is less than that of the screw and greater than the hardness of the screw receiving material (35), and in that drive pin (180) has a tail (182) which extends back down the axis of the spiral member and which is disconnectable engageable by the tool.



Compl. specn. 35 pages

Drg. 5 sheets

Int. CLASS¹ : G 01 R 15/02

165542

HIGH VOLTAGE MEASURING APPARATUS.

Applicant : RAYCHEM LIMITED, OF ROLLS HOUSE, 7 ROLLS BUILDINGS, FETTER LANE, LONDON EC4, ENGLAND, A COMPANY ORGANISED ACCORDING TO THE LAWS OF THE UNITED KINGDOM.

Inventors : (1) GRAHAM JAMES THOMAS CLARKE, (2) ROBIN JAMES CLABBURN, (3) GORDON EDWARD HIBBERT, (4) HELGE JENSEN.

Application No. 494/Mas/85 filed July 1, 1985.

Convention date July 2, 1984; (No. 8416791; Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

26 Claims

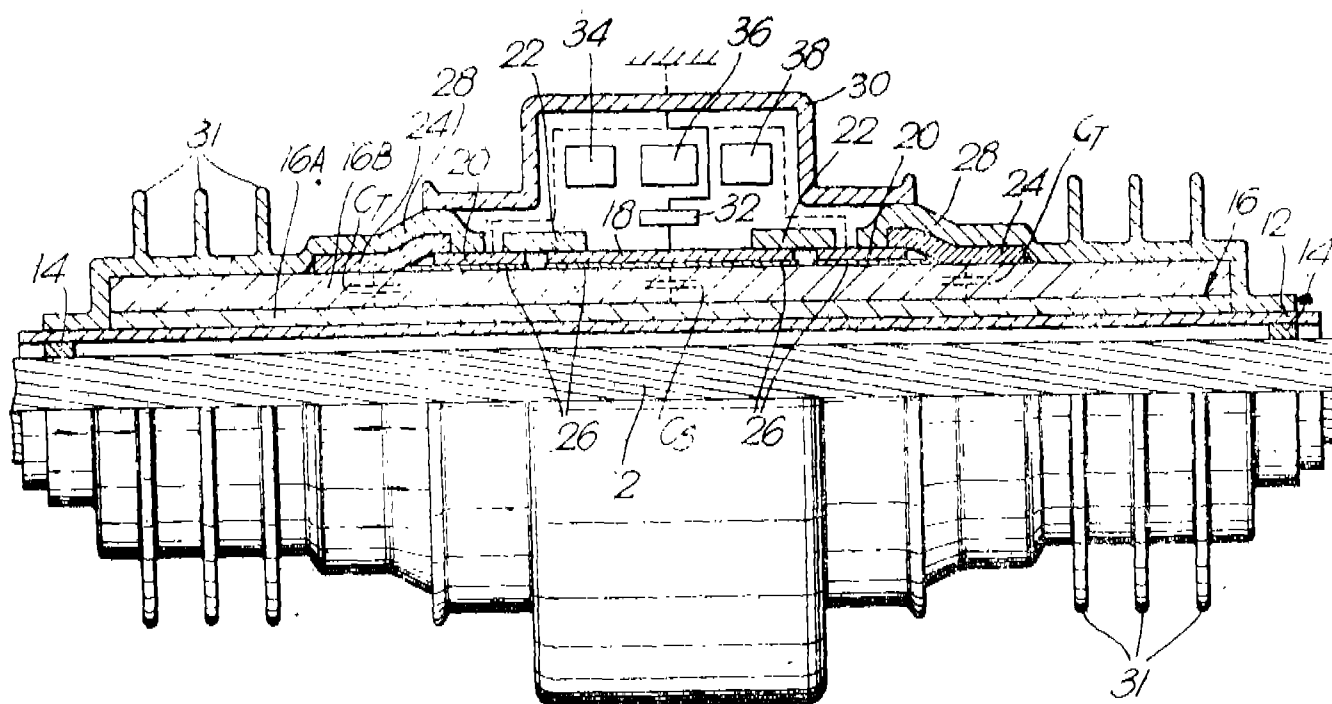
High voltage measuring apparatus comprising a capacitor of generally cylindrical configuration, the capacitor comprising :

an elongate, inner electrode; solid electrical insulation material mounted on the inner electrode to provide the dielectric of the capacitor;

an outer cylindrical electrode substantially coaxial with the inner electrode, and mounted on a portion only of the outer surface of the insulation material, the inner and outer electrodes and the insulation material being arranged to provide the generally cylindrical capacitor with a known capacitance; and

at least one substantially cylindrical guard ring electrode mounted on the outer surface of the insulation material so as to be spaced apart by a gap from an end of the outer electrode; and

stress control means comprising semi-conductive material extending across the gap and arranged to overlap and make electrical contact with the outer electrode and the or each of said guard ring electrodes, thereby to control the electrical stress between said electrodes.



Compl. specn. 37 pages

Drgs. 6 sheets

Int. CLASS¹ : F 16 H 1/38

165543

A LIMITED SLIP DIFFERENTIAL FOR A VEHICLE.

Applicant : KNIGHT MECHADYNE LIMITED, SPARK FARM ESTATE, KIRTLINGTON OXON OX5 3JQ, ENGLAND, A BRITISH COMPANY.

Inventor : DAVID JOHN KNIGHT.

Application No. 535/Mas/85 filed July 2, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

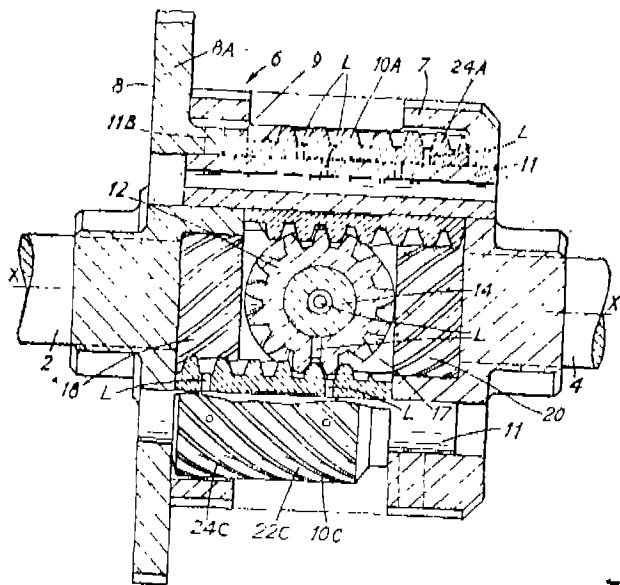
A limited slip differential for a vehicle comprising :

a gear carrier (6) mountable for rotation about an axis (x-x) of the carrier;

a pair of diametrically opposed first worm members (10A, 10D) mounted for rotation relative to the carrier with their axes parallel to the carrier axis (x-x) and a similar pair of diametrically opposed second worm members (10B, 10C) mounted for rotation relative to the carrier with their axes parallel to the carrier axis (x-x);

a first sun gear wheel (18) coaxial with the carrier axis and meshing with said first worm members, a second sun gear wheel (20) coaxial with the carrier and meshing with said second worm members, each worm member comprising a worm portion having a helical thread which meshes with an idler worm wheel (12, 16) and having a continuous tooth form extension forming a helical pinion portion meshing with a respective one of said first and second sun gear wheels (20), wherein the helix angle of the worm portions of each worm member and

said worm wheels is such that worm drive is reversible and wherein each of said first worm members is individually coupled to a single one of said second worm members by a respective one of said idler worm wheels.



Compl. specn. 7 pages

Drsg. 3 sheets

Int. CLASS⁴ : B 67 D 5/40

165544

"A FUEL PUMPING APPARATUS FOR SUPPLYING FUEL TO AN INTERNAL COMBUSTION ENGINE".

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM B 19 2XF, ENGLAND.

Inventor : JEAN-GLAUDE BONIN.

Application No. 547/Mas/85 filed July 16, 1985.

Convention date October 4, 1984; (No. 8425070; Great Britain)

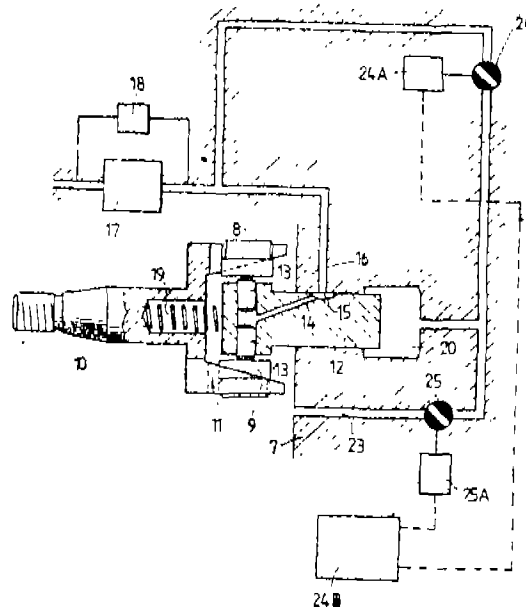
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims

A fuel pumping apparatus for supplying fuel to an internal combustion engine and comprising :

- an injection pump operable in timed relationship with an associated engine;
- a pressure responsive member in the injection pump; said pressure responsive member being movable to control an operating parameter of the injection pump;
- electromagnetically operable valve means operable to control the pressure applied to said member;
- a control system for controlling the operation of valve means;
- the fluid pressure for application to said member being obtained from a low pressure pump;
- characterised in that said valve means comprises a pair of electromagnetically operated valves for controlling flow in a pair of passages respectively one passage being connected to said low pressure pump and the other passage to a drain;

said control system receiving a signal or signals from which can be deduced the correct time during a cycle of operation of the apparatus during which one or the other of the valves can be operated to vary the fluid pressure applied to said member to adjust the setting thereof, the valves in the remaining portion of the cycle of operation being closed to hydraulically lock said member.



Compl. specn. 15 pages

Drsg. 5 sheets

Int. CLASS⁴ : H 05 B 33/00

165545

ELECTRO-OPTIC DISPLAY CELL AND METHOD OF MAKING SAME.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors : (1) ALLEN RONALD COX, (2) ANTHONY CYRIL LOWE, (3) JOHN CHRISTOPHER WOOD.

Application No. 550/Mas/85 filed July 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

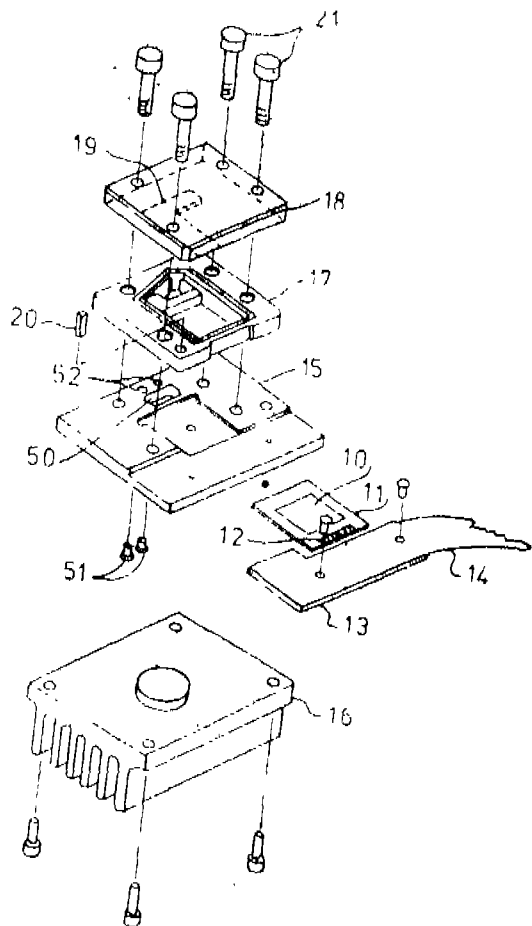
17 Claims

An electro-optic display cell having an arrangement of display electrodes in contact with a liquid within a sealed enclosure, the enclosure comprising :

- impervious cover means comprising a transparent window;
- a rigid structural member forming part of the enclosure wall;

a seal between the cover means and the structural member and an elastomeric plug extending between the exterior and interior of the enclosure;

the plug having at least one filling perforation there-through which is collapsed over at least a portion of its length so that the enclosure is completely sealed.



Compl. specn. 18 pages

Drg. 3 sheets

Int. CLASS⁴ : G 06 F 11/00

165546

AN APPARATUS FOR ERROR DETECTION AND/OR CORRECTION BY MAJORITY DECISIONS.

Applicant INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors : (1) HIROTOSHI JITSUKAWA, (2) TSUTOMU MARUYAMA.

Application No. 551/Mas/85 filed July 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

In a system transferring original data from a first apparatus to a second apparatus through a parallel bus, apparatus for error detection and or correction by a majority decision comprising :

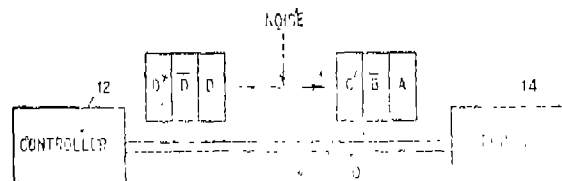
means for generating in said first apparatus inverted data by inverting the original data to be transferred;

means for generating bit permuted data by permuting or otherwise logically manipulating bits in said original data;

means for sequentially transferring said original data, said inverted data and said bit permuted data to said second apparatus through said parallel bus;

means for reconverting said inverted data said bit permuted data to original forms, respectively, in said second apparatus; and

means for determining a majority value for each bit among the reconverted data and said original data.



Compl. specn. 11 pages

Drg. 2 sheets

Int. CLASS⁴ : F 25B 79/00

165547

MODULAR REFRIGERATION SYSTEM.

Applicant & Inventor : RONALD DAVID CONRY, OF 25 HIGHLAND BOULEVARD, RINGWOOD, VICTORIA 3134, AUSTRALIA, AN AUSTRALIAN CITIZEN.

Application No. 561/Mas/85 filed July 19, 1985.

Convention date July 24, 1984; (No. PG 6190; Australia).
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

19 Claims

A modular refrigeration system comprising :

a number of similar separate refrigeration units each having compressor means, condenser means and evaporation means;

said refrigeration units comprising substantially identical modular units inter-connected to form said system, each modular comprising at least one refrigeration circuit separate from the or each circuit of the or each other modular unit of the assembly;

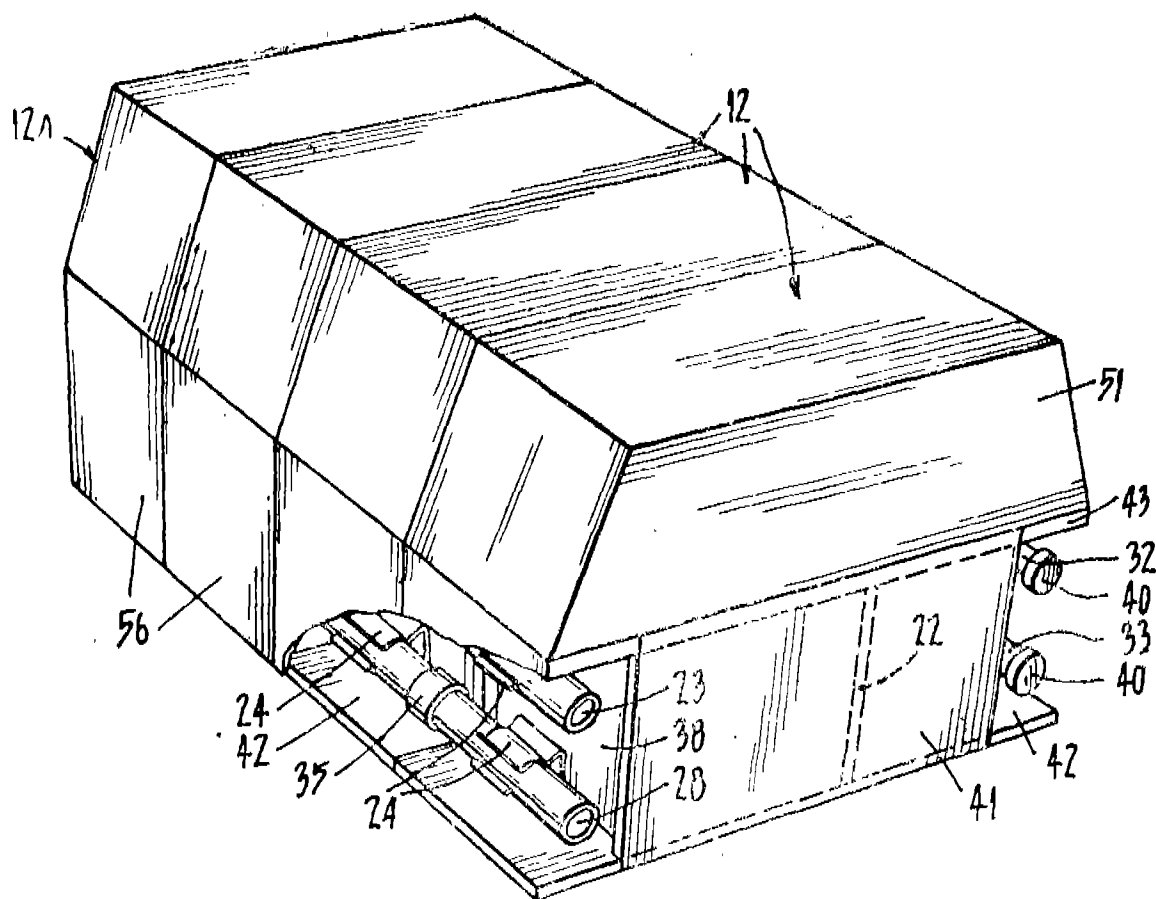
characterized in that said modular units has a housing carrying the or each circuit of the unit;

each said housing containing at least one flow passage for flow of a first heat exchange fluid in heat exchange relation with at least one heat exchange element of the circuit;

inlet manifold means and outlet manifold means for the first fluid;

said manifold means being adapted to be connected to corresponding manifold means of the or each other modular unit of the assembly; and

control means for controlling operation of each of the modular units in the assembly of units.



Compl. specn. 15 pages

Drg. 5 sheets

Int. CLASS¹ : G 11 C 15/04

165548

A DOUBLE DENSITY MEMORY MODULE AND A METHOD FOR MAKING THE SAME.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventor : WOLFGANG FRIEDRICH MUELLER; GWYNNE WALLACE SPENCER.

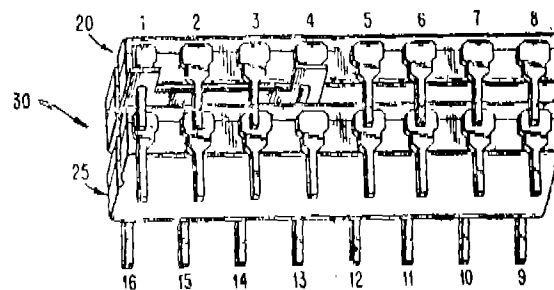
Application No. 564/Mas/85 filed 22nd July 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

19 Claims

A double density memory module comprising : first and second industry standard memory chips, each of which includes a plurality of address, power supply and data pins, a chip select pin and an unused pin, in the same pin positions on said first and second chips, with the pins on said first chip electrically contacting the corresponding pins on said second chip, except for said chip select pins; and

connecting means for electrically connecting said chip select pin and said unused pin on said first chip.



Compl. specn. 15 pages

Drg. 1 sheet

Int. CLASS¹ : B 02 C 17/14

165549

IMPROVEMENTS IN CENTRIFUGAL GRINDING MILLS.

Applicant : RESEARCH AND DEVELOPMENT PTY LTD, OF SUITE 703, A.M.P. BUILDING, 50 MILLER STREET, NORTH SYDNEY, N.S.W. 2060, AUSTRALIA, A COMPANY INCORPORATED UNDER THE LAWS OF WESTERN AUSTRALIA.

Inventors : JOHN MAXWELL BOYES; WILLIAM RICHARDS RAYNER; CHARLES HAROLD WARMAN.

Application No. 575/Mas/85 filed 24th July 1985.

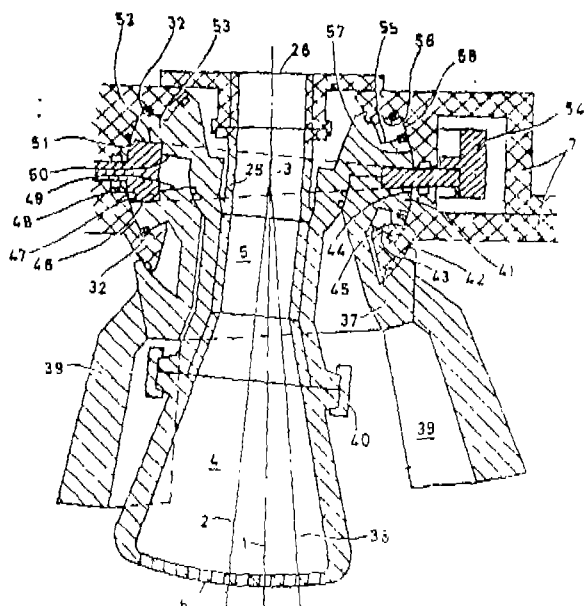
Convention date 24th July 1984 (No. PG 6185; Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

19 Claims

Improvements in centrifugal grinding mills comprising :

- (a) a grinding chamber of substantially circular cross-section with respect to an axis of symmetry constrained to have nutating motion about a relatively stationary axis;
- (b) support means for supporting the grinding chamber;
- (c) a feed passage in communication with the grinding chamber;
- (d) driving means for driving the grinding chamber about said relatively stationary axis; and
- (e) constraint means for effecting the nutating motion of said axis of symmetry of the grinding chamber;



Compl. specn. 27 pages

Drg. 9 sheets

Int. CLASS⁴ : F 16 D 65/00

165550

CONE WASHER ASSEMBLY FOR DISC BRAKE.

Applicant : AKEBONO BRAKE INDUSTRY CO., LTD., OF 19-5, NIHONBASHI, KOAMI-CHO, CHUO-KU, TOKYO, JAPAN, JAPANESE COMPANY.

Inventor : MAMORU INOUE.

Application No. 625/Mas/85 filed August 12, 1985.

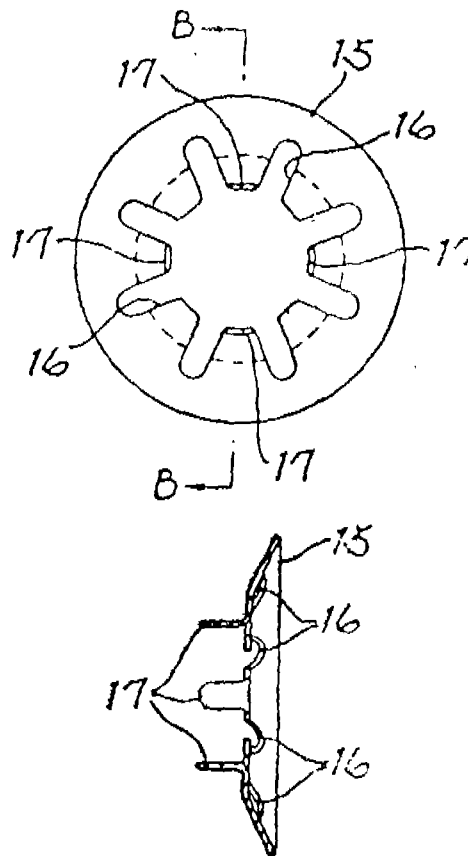
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

A cone washer assembly for a disc brake comprising :

- a plane washer which has a thin flange extending inwardly from an annular inner circumferential edge; and
- a cone washer which has a plurality of flexible tongues extending from an annular inner circumferential edge

thereof, said cone washer being concentrically engaged with one end face of said plane washer and said flexible tongues being secured to the thin flange of said plane washer.



Compl. specn. 9 pages

Drg. 3 sheets

Int. CLASS⁴ : 8 27 C 9/00

165551

APPARATUS FOR APPLYING A SURFACE PRESSURE UPON MOVABLE WORKPIECES.

Applicant : THEODOR HYMMEN, OF THEODOR-HYMMENSTR. 3 4800 BIELEFELD 1, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventor WERNE PANKOKE.

Application No. 478/Mas/85 filed June 26, 1985.

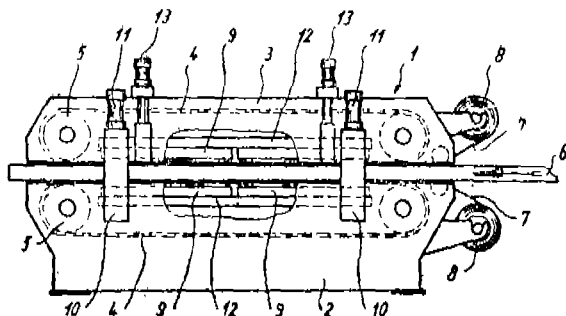
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

15 Claims

An apparatus for applying a surface pressure to movable workpieces, comprising :

- at least one rotatable pressing band having a working run arranged to act on a workpiece;
- means forming a pressure chamber which accommodates a pressure medium applying a pressure to said pressing band, said means having a part of said working run of said pressing band, a pressing plate spaced from said working run in a direction opposite to the workpiece and having an edge, and a sealing member provided on said edge of said pressing plate and having a surface which abuts against said pressing band; and

means for supplying a lubricant to said pressing band, said lubricant supplying means comprising at least one lubricant guiding part provided in said sealing member, and at least one lubricant discharging opening provided in said surface of said sealing member.



Compl. specn. 15 pages

Drg. 4 sheets

Int. CLASS⁴: F 16 K 11/00

165552

VALVE FOR THE SELECTIVE DISTRIBUTION OF FLUIDISABLE MATERIAL BETWEEN SEVERAL OUTLETS.

Applicant : CHARBONNAGES DE FRANCE (ETABLISSEMENT PUBLIC), OF 9, AVENUE PERCIER, 75008 PARIS FRANCE.

Inventor : JEAN-FRANCOIS LARGE.

Application No. 492/Mas/85 filed June 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

Valve for the selective distribution between at least two separate outlets of flow of fluidisable material arriving via a supply pipeline (5), characterised in that it comprises :

a main compartment (1) with one or more supply pipeline (5);

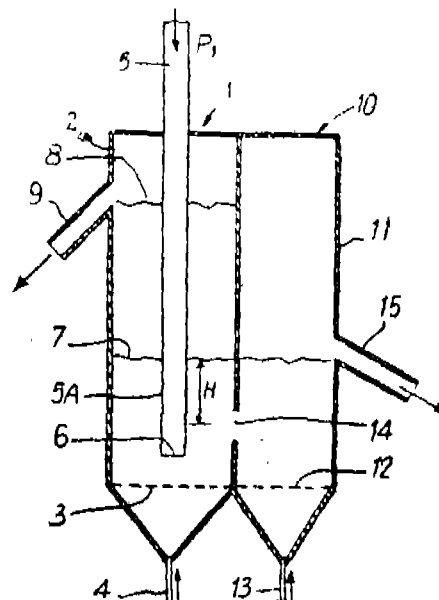
the said main compartment (1) having a side wall (2) and a bottom with a fluidising means (3) capable of fluidising the said fluidisable material to an upper level (8);

this side wall (2) being equipped with an overflow pipe (9) located at the upper level (8), and at least one auxiliary compartment (10) adjacent to the main compartment (1) and having a side wall (11) and a bottom with a fluidising means (12) capable of fluidising the said fluidisable material to a specific level;

this side wall (11) being equipped with an overflow pipe (15) located at a level above the bottom with fluidising means (12) which is not higher than the level of the overflow pipe (9) of the main compartment (1);

whilst a communication passage (14) is made between the main compartment (1) and the auxiliary compartment or each auxiliary compartment (10) through their respective side walls (2, 11) at an intermediate level between, on the one hand, the level of the highest fluidising means (3, 12) of the main compartment (1) and the auxiliary compartment (10) in question and, on the other hand, the level of the

overflow pipe (15) of the same auxiliary compartment (10).



Compl. specn. 15 pages

Drg. 1 sheet

Int. CLASS⁴: B 01 D 33/02

165553

A FILTRATION SECTOR FOR MAKING UP A FILTRATION DISC.

Applicant : ALUMINIUM PECHINEY, OF 23 RUE BALZAC 75008 PARIS, FRANCE, A FRENCH COMPANY.

Inventor : JEAN BARRA.

Application No. 517/Mas/85 filed July 8, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A filtration sector for making up a filtration disc comprising :

a rigid frame imparting its shape thereto supports for filter cloth within the frame and a member for connection to a hollow drive shaft (2) of a rotary filter;

said shaft containing liquid and gaseous fluid collectors, characterised in that said sector is of an increasing internal thickness from its peripheral end (14) to its end (15) in the vicinity of the hollow drive shaft (2) the thickness e_0 of the periphery corresponds to the inequality;

$0 \leq e_0 < e$ wherein "e" is the thickness of the sector at the end in the vicinity of the driveshaft (2).

Compl. specn. 20 pages

Drg. 4 sheets

Int. CLASS⁴: C 08 L 35/00

165554

ADDITIVES COMPOSITIONS USEFUL IN PARTICULAR FOR IMPROVING THE COLD FILTERABILITY PROPERTIES OF OIL MIDDLE DISTILLATES.

Applicants : (1) INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE OF 4 AVENUE DE

BOIS PREAU 92502, RUEIL-MALMAISON, FRANCE;
AND (2) ELF FRANCE, OF TOUR ELF, 2 PLACE DE
LA COUPOLE, LA DEFENSE 6, F-92400 COURBEVOIE,
FRANCE.

Inventors : (1) JACQUES DENIS, (2) BERNARD
SILLION, (3) BERNARD DAMIN, (4) JEAN-MICHEL
LAUPIE.

Application No. 524/Mas/85 filed July 10, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims

An additive composition usable mainly for improving the
cold filterability properties of oil middle distillates, charac-
terized in that it comprises :

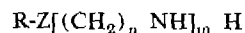
a constituent (A) consisting of at least one ethylene
polymer;

and a constituent (B) consisting of at least one poly-
meric compound in the ratio of from 1 : 20 to
20 : 1 by weight, wherein the constituent (B) is
selected from a copolymer obtained by condensation
with a copolymer comprising :

(a) recurrent units from at least one linear α -olefin
having at least 16 carbon atoms;

(b) recurrent units deriving from at least one un-
saturated α , β -dicarboxylic compound such as at
least one maleic or alkylmaleic acid, one methyl,
ethyl or propyl diester of such acid or a malcic
or alkylmaleic anhydride; and the ester from
which originate the recurrent units and (c)

(c) recurrent units from at least one alkyl ester of
unsaturated aliphatic monocarboxylic acid such
as acrylates and methacrylates having 4 to 30
carbon atoms or from at least one vinyl ester
of saturated aliphatic mono-carboxylic acid
having 2 to 22 carbon atoms, of at least one
compound with primary amine group complying
with one of the general formula :



wherein R is a monovalent saturated aliphatic
radical of 1-30 carbon atoms, Z is selected from
+NH-, -NR-, and oxygen atom -O-, wherein
R' is a saturated aliphatic monovalent radical of
1-30 carbon atoms, and n is an integer from 2
to 4; m is an integer from 1 to 4 or optionally
zero when Z is NH.

Compl. specn. 31 pages

Drg. Nil

Int. CLASS⁴ : G 09 F 3/00

165555

A TICKET DISTRIBUTED IN BLANK TO A HOLDER
FOR SECURELY RECEIVING CONFIDENTIAL IN-
FORMATION IN PRINTED FORM FROM A PRINTING
DEVICE.

Applicant : INTERNATIONAL TOTALIZATOR SYS-
TEMS, INC., OF 11095, FLINTKOTE AVENUE, SAN
DIEGO, CALIFORNIA 92121, U.S.A., A CORPORATION
OF THE STATE OF CALIFORNIA, U.S.A.

Inventors : (1) JAMES T. WALTERS, (2) BRAIN J.
ROBERTS.

Application No. 532/Mas/85 filed July 12, 1985.

12 Claims

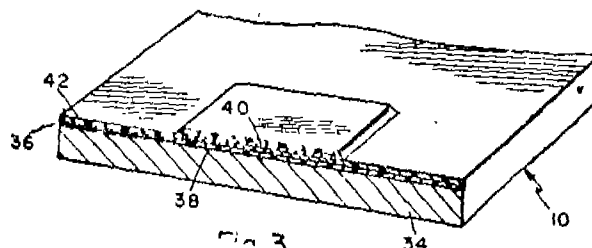
Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Madras Branch.

12 Claims

A ticket distributed in blank to a holder for securely
receiving confidential information in printed form from a
printing device, comprising :

a ticket body responsive to a printing device for being
imprinted with information; and

masking layer overlying a portion of said ticket body
through which said printing device acts to imprint said
information on said ticket body portion, said mask-
ing layer for, during and after the imprinting of said
printed information onto said ticket body portion,
concealing said printed information on said ticket
body portion and for after the imprinting of said
information onto said body portion, being operated
by a holder to reveal said imprinted information.



Compl. specn. 24 pages

Drg. 3 sheets

Int. CLASS⁴ : B 60 C 9/20

165556

PNEUMATIC VEHICLE TYRE.

Applicant : CONTINENTAL GUMMI-WERKE AKTI-
ENGESSELLSCHAFT, OF KÖNIGSWORTHER PLATZ 1,
3000 HANNOVER, FEDERAL REPUBLIC OF GERMANY
A GERMAN COMPANY.

Inventors : (1) DIETER ROHDE, (2) SIEGFRIED
PRAETORIUS.

Application No. 565/Mas/85 filed July 23, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims

A pneumatic vehicle tyre having :

a substantially inextensible belt between the tread strip
and the radial carcass and having shoulder-like widened
portions disposed on both sides of its tread
strip;

said widened portions being formed by a stepped
arrangement and not coming into contact with the
roadway;

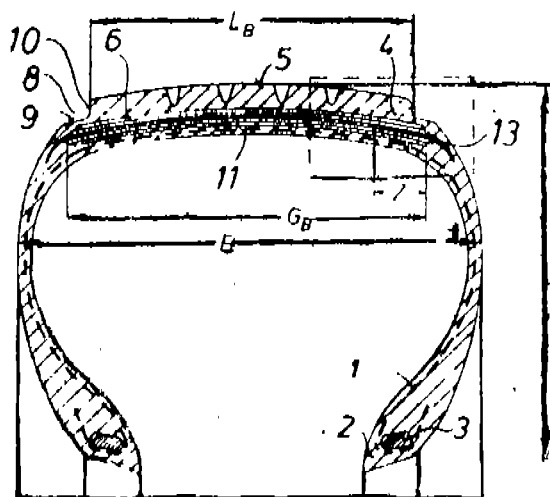
the lateral walls of the tyre extending radially inwardly
from said widening portions to the tyre beads;

wherein the belt edges extend to the region of the
widened portion and the vertical stepped surfaces of
the widened portion protrude laterally over a dis-
tance which corresponds to 25% to 40% of the
distance over which the bulging lateral walls of
the tyre protrude at their widest point beyond the
vertical stepped surface;

characterised in that a low-damping rubber layer (12)
is disposed between at least two belt plies (7), the
wall thickness of said rubber layer (12) correspond-
ing to at least the diameter of the belt reinforcing
members but not exceeding a wall thickness of
5 mm;

said rubber layer (12) extends practically to the
plane on both sides of the tyre, which plane is
determined by the vertical stepped surface (10),
strip-like edge portions (13) being connected as an
extension of said edges, half the width of said edge
portions (13) still being disposed between the belt
plies and the extended half width protruding fur-

ther into the widened portion and thereby also still protruding laterally beyond the substantially horizontal stepped surface (9).



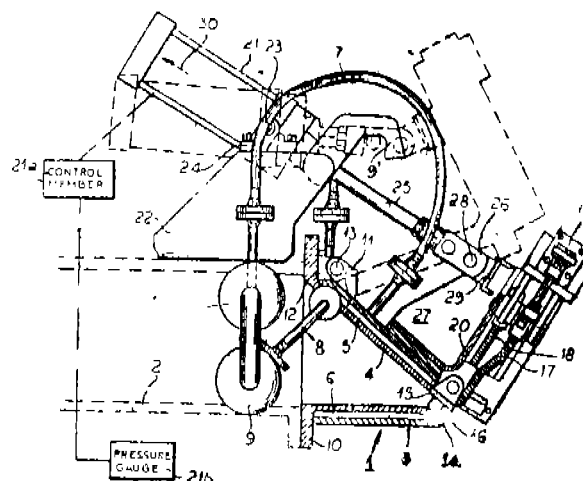
Compl. specn. 10 pages

Drg. 1 sheet

the said discharge nozzle comprising a divided housing with a lower part of the housing (3) and an upper part of the housing (4);

the said upper part of the housing being constructed to swing upwards about horizontal pivot (13) and connected to a control and actuating member (21) provided with measuring means for measuring process parameters such as hereinbefore described;

wherein the control and actuating member is set to actuate at a predetermined value of any of the process parameters, causing tilting the upper part of the housing (4) and opening the nozzle at the desired value of any of the process parameters.



Compl. specn. 12 pages

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Int. CLASS⁴ : B 29 C 47/38 & B 30 B 15/32 165557

A CONTINUOUSLY OPERATING DISCHARGING MACHINE SUCH AS AN EXTRUDER, MIXING AND KNEADING MACHINE.

Applicant : BUSS AG, OF LAUTENGARTENSTRASSE 7, CH-4052, BASEL, SWITZERLAND, A SWISS COMPANY.

Inventors : (1) LEON CHEVROULET, (2) GUY SALMON.

Application No. 655/Mas/85 filed August 22, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

A continuously operating discharging machine (2) such as an extruder, mixing and kneading machine having :

a cylinder with a feed screw or rotatable worm fixed inside the cylinder and a discharge nozzle (1) fixed at the discharge end of the said cylinder;

Int. CLASS⁴ : A63F 9/08.

165558

A PUZZLE.

Applicant & Inventor : AJITH KUMAR THALODIL VARGHESE, FLAT 60, DIVYAM, MS. NAGAR, MATHEKARE P.O., BANGALORE 560 045, KARNATAKA, INDIA, INDIAN NATIONAL.

Application No. 695/Mas/85 filed September 6, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

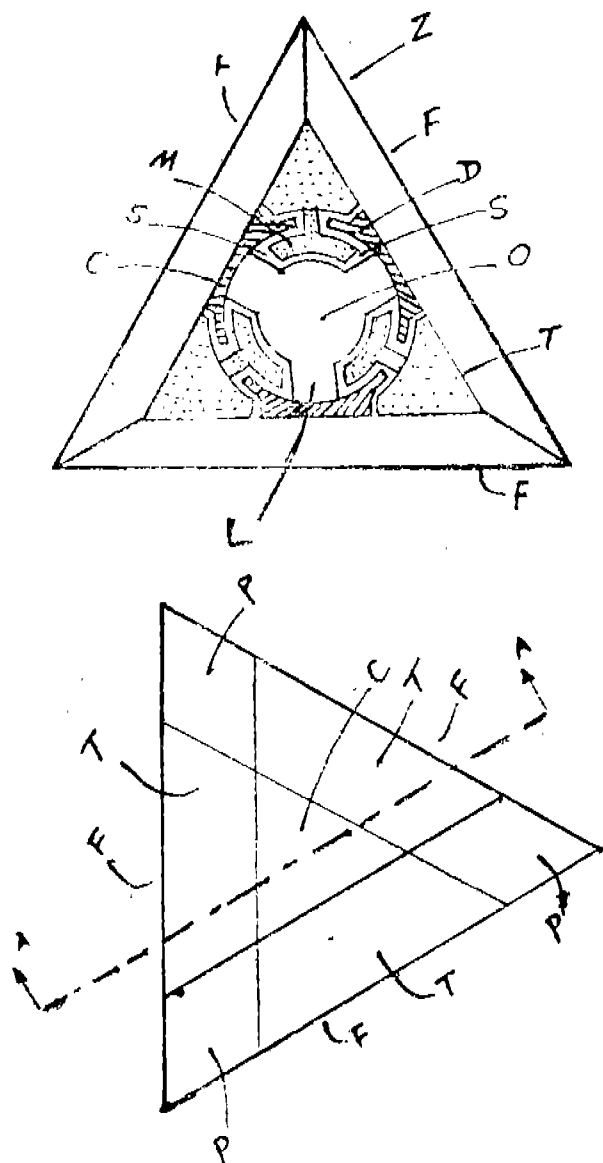
2 Claims

A puzzle comprising :

a uniform tetrahedron, each face of which is coloured differently from another and divided into six bits constituted by three trapeziums and three parallelograms surrounding a central triangle;

four legs projecting outwardly from the centre of the tetrahedron and respectively fixed to four spaced curved discs in spherical configuration, the triangles of the four faces being respectively attached to the four discs while the bits are provided with curved members respectively seated in the spaced between

the discs and turnably engaging with the discs, whereby the bits are manually displaceable from one face to another and also restorable to their original locations.



Compl. specn. 5 pages

Drg. 1 sheet

Int. CLASS¹: B 64 C 29/00; 19/00; 25/00 165559

A DEVICE FOR USE IN AIRCRAFT AND SPACECRAFT FOR IMPARTING A MOTIVE THRUST THERETO.

Applicants & Inventors : (1) RAMESH CHANDRA PANDITRAO PALNITKAR; (2) MRS. MOHINI RAMESHCHANDRA PALNITKAR; (3) MOHAN RAMESH CHANDRA PALNITKAR AND (4) VIVEK RAMESHCHANDRA PALNITKAR, ALL OF 5.2-1026, J.N. ROAD, HYDERABAD-500 195, ANDHRA PRADESH, INDIA, ALL INDIAN NATIONALS.

Application No. 767/Mas/86 filed September 29, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

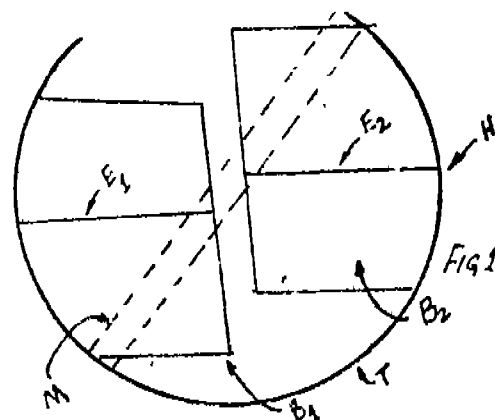
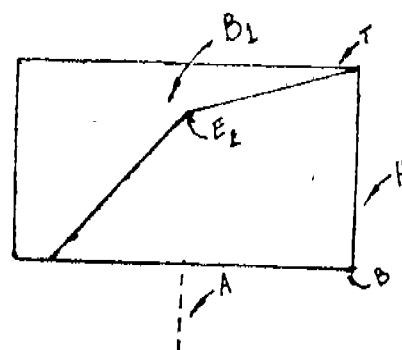
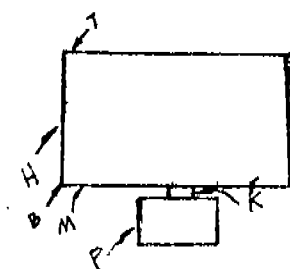
A device for use in aircraft and spacecraft for imparting a motive thrust thereto comprising :

a vertically disposed cylindrical housing, to the inner periphery of which is attached one side of each of at least two blades disposed opposite to each other;

the other side of each such blade being left free and out of contact with the other;

each such blade spanning the top and base of the housing, with the lower portion thereof inclined to the axis of the housing and the upper portion thereof inclined or bent further away therefrom;

a diametrical base member provided for the cylinder to which a prime mover is coupled for rotatably driving the cylinder about its axis.



Compl. specn. 7 pages

Drg. 1 sheet

Int. CLASS¹: A 23 N 1/02 & A 23 L 1/42 165560

AN APPARATUS AND METHOD FOR PROCESSING BIOLOGICAL RAW MATERIAL SUCH AS FRUITS AND VEGETABLES.

Applicant : NORZON MANAGEMENT LIMITED, A CORPORATION AND EXISTING UNDER THE LAWS OF GIBRALTAR, OF 3, BELL LANE, GIBRALTAR, AND

HAVING A PLACE OF BUSINESS AT LE MARCHANT HOUSE, LE MERCHANT STREET, ST. PETER PORT, GUERNSEY CHANNEL ISLANDS.

Inventor : ERIC HELMUT FRIEDMANN.

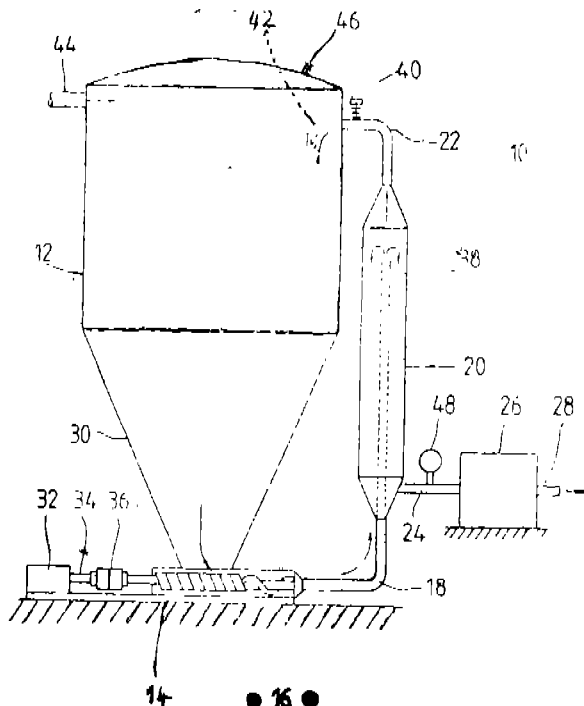
Application No. 688/Mas/87 filed September 22, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims

An apparatus for processing biological raw material such as fruits and vegetables comprising:

- (a) a collector container;
- (b) a supply means for supplying raw material to the collector container;
- (c) a de-aeration container;
- (d) a discharge conduit for supplying raw material from the collector container to the de-aeration container;
- (e) a high pressure unit;
- (f) a feeding conduit for feeding de-aerated raw material from the de-aeration container to the high pressure unit;
- (g) an outlet conduit for processed material leading from the high pressure unit;
- (h) a return conduit joining the de-aeration container to the collector container so as to guide excess raw material in the de-aeration container back to the collector container;
- (i) de-aeration means for de-aerating raw material in the de-aeration container; and
- (j) displacing means adapted to displace raw material from the collector container along the discharge conduit to the de-aeration container, excess raw material from the de-aeration container along the return conduit to the collector container, and de-aerated raw material from the de-aeration container to the high pressure unit.



Compl. specn. 16 pages

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REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 160719. Klas Engineering Private Limited, 31, I Block, (East), Jayanagar, Bangalore-560 001, Karnataka State, India, An Indian Company. "Bottle". 14th February, 1989.

Class 1. No. 160866. Om Prakash Sabu an adult, Indian Nationality, carrying on business as proprietor of Chemical Formulators at 40 Tardeo Air Conditioned Market 3rd Floor, Bombay-400 034, Maharashtra, India. "a Mop Holder with Clamp". 5th April, 1989.

Class 1. No. 160876. T.S. Pathy, an Indian National, Sole Proprietor of Gemini Metals, of Door number VI/5, Feroke College Road, Feroke College P.O., Calicut 673632, Kerala, India. "a Metal Lath". 12th April, 1989.

Class 3. No. 160847. Hozef Organics & Research Laboratories, M.B. House, 4th floor, 79, Janmabhoomi Marg, Fort, Bombay-1, State of Maharashtra, India, an Indian Partnership Firm. "Bottle". 29th March, 1989.

Class 3. No. 160907. Metro Tyres Limited, B-27, Focal Point, Ludhiana-10, (Punjab) India (An Indian Company duly registered under the Companies Act, 1956) of the above address. "Tyres". 20th April, 1989.

Class 3. No. 161018. Colgate-Palmolive Company, a Delaware Corporation of 300 Park Avenue, New York, New York 10022, United States of America. "a Toothbrush". 29th May, 1989.

Class 3. No. 161079. Mahabir Plastic Industries of 10 Pollock Street, Calcutta-700001, West Bengal, India, an Indian Partnership firm. "a Comb". 16th June, 1989.

Class 3. No. 161174. Crystal Plastics & Metallizing Private Limited of Sanghi House, Palkhi Galli, Off Veer Savarkar Marg, Prabhadevi, Bombay-400025, Maharashtra, India, a private limited company incorporated under the Indian Companies Act. "Comb". 10th July, 1989.

Class 3. No. 161196. Schwan-Stabilo Schwanhauser GmbH & Co. of Maxfeldstrasse 3, D-8500 Nurnberg 1, The Federal Republic of Germany, a company organised and existing under the laws of Federal Republic of Germany. "Writing Instruments". 19th July, 1989.

Class 4. No. 160550. JG Glass Limited, of Pimpri, Pune-411018, Maharashtra, India, an Indian Company. "Bottle". 15th December, 1988.

Class 4. No. 161190. Bharat Manufacturing Corporation, Talegaon, Igatpuri, Dist. Nasik, Maharashtra, India, an Indian Partnership firm. "Bottle". 18th July, 1989.

R. A. ACHARYA
and Trade Marks

Controller General of Patents, Designs

